

IRIS.

LIVERPOOL.				Equatoreal.				(Mr. Hartnup.)				
1849.	Greenwich M.T.			R.A.			N.P.D.			Comp <sup>d</sup> —Observ <sup>d</sup> .		Star.
	h	m	s	h	m	s	°	'	"	R.A.	N.P.D.	
Mar. 6	10	35	31.5	9	38	10.80	84	53	5.8	—1.60	+2.1	<i>a</i>
8	11	1	4.6	36	41.10		42	39.7		1.64	3.2	<i>a</i>
9	10	48	27.2	35	59.16		37	36.5		1.63	4.1	<i>b</i>
16	9	50	33.9	31	47.75		84	4	4.0	1.88	6.1	<i>c</i>
17	10	3	11.1	31	17.88		83	59	32.7	2.00	5.1	<i>c</i>
24	10	32	16.4	28	37.20		30	46.9		1.96	3.4	<i>c</i>
27	8	51	39.5	27	55.54		20	22.1		2.13	3.8	<i>c</i>
31	9	7	4.9	27	22.30		7	47.1		2.10	2.4	<i>d</i>
April 1	10	47	44.3	27	17.96		83	4	45.9	1.99	1.6	<i>d</i>
3	10	40	11.0	27	15.25		82	59	30.4	1.97	1.2	<i>d</i>
11	11	10	40.4	28	8.70		43	23.7		1.88	1.2	<i>d</i>
14	9	8	58.0	28	52.67		39	31.0		1.92	3.7	<i>d</i>
15	8	56	52.4	9	29	10.27	82	38	28.2	—1.76	+3.0	<i>d</i>
<i>a</i>	3295, 3412			B.A.C.			<i>c</i>	3203, 3359			B.A.C.	
<i>b</i>	3295, 3359			—			<i>d</i>	3228, 3386			—	

“The places of the stars of comparison are taken from the catalogue cited. The observed places are corrected for refraction and parallax. The computed places are deduced from the ephemeris of MM. Hind and Pogson, which is printed in the *Monthly Notice*, vol. ix. No. 5.”

HEBE.

*Ephemeris* for 8<sup>h</sup> P.M. Greenwich Mean Time.

Taken from M. Luther's *Ephemeris* in the *Astronomische Nachrichten*, by permission of Professor Schumacher.

1849.	R.A.			N.P.D.	1849.	R.A.			N.P.D.
	h	m	s			h	m	s	
April 20	6	44	46.03	70 44 33.8	May 11	7	17	39.16	70 9 32.1
21		46	15.87	41 49.2	12		19	16.80	9 1.5
22		47	46.19	39 11.1	13		20	54.69	8 37.2
23		49	17.00	36 39.5	14		22	32.83	8 18.9
24		50	48.27	34 14.5	15		24	11.23	8 6.6
25		52	20.00	31 56.0	16		25	49.87	8 0.5
26		53	52.18	29 44.0	17		27	28.73	8 0.5
27		55	24.77	27 38.5	18		29	7.83	8 6.4
28		56	57.78	25 39.5	19		30	47.15	8 18.3
29	6	58	31.19	23 46.9	20		32	26.68	8 36.2
30	7	0	4.98	22 0.8	21		34	6.40	9 0.1
May 1		1	39.16	20 21.1	22		35	46.31	9 29.8
2		3	13.70	18 47.8	23		37	26.41	10 5.4
3		4	48.58	17 20.8	24		39	6.68	10 46.8
4		6	23.81	16 0.2	25		40	47.13	11 34.0
5		7	59.38	14 46.0	26		42	27.73	12 27.0
6		9	35.26	13 38.0	27		44	8.47	13 25.7
7		11	11.45	12 36.4	28		45	49.35	14 30.0
8		12	47.95	11 41.0	29		47	30.38	15 40.1
9		14	24.74	10 51.8	30		49	11.51	16 55.7
10	7	16	1.81	70 10 8.8	31	7	50	52.76	70 18 16.9

Reckoned from the true equinox and corrected for aberration.

Horizontal Parallax.					
April 20	3'3"	May 6	3'0"	May 22	2'8"
24	3'2"	10	3'0"	26	2'8"
28	3'1"	14	2'9"	30	2'7"
May 2	3'1"	18	2'9"		

Observations of Wilmot's Comet. By Mr. Maclear.

Mr. Maclear's absence from the Observatory, while engaged in the measurement of an arc of the meridian, has occasioned a considerable delay in reducing the observations of this comet.

The places of the comet are corrected for refraction, and the log. factor is annexed to each, which, when added to the log. hor. parallax in seconds of space, will give the log. correction in right ascension and north polar distance, in time and arc respectively.

The catalogue of the stars of comparison is appended.\*

CAPE OF GOOD HOPE.

(Mr. Maclear.)

	Cape M.T.	R.A.	Log. Fact.	N.P.D.	Log. Fact.	Obs.	Star.
	<sup>h</sup> <sub>h</sub> <sup>m</sup> <sub>m</sub> <sup>s</sup> <sub>s</sub>	<sup>h</sup> <sub>h</sub> <sup>m</sup> <sub>m</sub> <sup>s</sup> <sub>s</sub>		<sup>o</sup> <sub>o</sub> <sup>'</sup> <sub>'</sub> <sup>"</sup> <sub>"</sub>			
1844. Dec. 24	8 17 29	19 43 11'86	+8'8384	128 12 17'1	+9'7346	2	1
27	8 14 23	20 16 49'16	'8637	131 3 41'0	'6756	10	2
	8 37 35	17 0'34	'8571	131 4 27'7	'7221	10	3
28	8 19 14	28 30'05	'8707	131 50 48'8	'6413	10	4
	9 7 33	28 58'68	'8519	131 52 36'5	'7601	8	4
30	8 38 34			133 10 14'1	'6644	6	5
	8 38 57	52 54'72	'8781			7	5
	9 6 2	53 8'60	'8699			9	6
	9 6 30			133 11 0'9	'7239	8	6
	9 31 50	20 53 22'03	'8562	133 11 24'8	'7706	6	5
31	8 31 24	21 5 14'12	'8838	133 41 11'1	'6232	10	7
	9 8 33	5 33'21	'8759	133 41 54'3	'7090	10	7
1845. Jan. 1	8 42 57	17 52'05	'8867	134 6 43'3	'6279	9	8
3	9 20 28	21 43 32'37	'8876	134 40 29'4	'6733	5	9
5	9 58 45	22 9 13'66	'8819	134 50 48'0	'7178	7	10
6	8 14 9	20 52'14	'8762	134 47 45'7	'3761	10	11
	9 9 6	21 20'25	'8920	134 47 37'7	'5745	10	12
	9 34 12	21 33'45	'8909			12	11
	9 45 58			134 47 21'8	'6710	12	11
	10 3 6	21 48'59	'8832			12	11
9	9 1 59	57 46'20	'8809	134 7 3'5	'4821	12	13
	9 25 21	57 57'78	'8861			10	13
	9 40 13			134 6 29'2	+9'5977	14	13
	9 58 20	22 58 13'79	+8'8859			8	13

\* The columns R.A. Comet—R.A. Star; and N.P.D. Comet—N.P.D. Star, are omitted, though given by Mr. Maclear.